## Quark Matter 2014 - XXIV International Conference on Ultrarelativistic Nucleus-Nucleus Collisions



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## Femtoscopic analysis of charged kaon correlations at small relative momentum in p + p collisions in STAR

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Two-particle correlations at low relative momentum provide information on the space-time geometry of emitting sources on the femtoscopic scale. Dynamical properties of the system are reflected in the total pair momentum dependence of the correlations. We present a preliminary measurement of the multiplicity and transverse momentum dependence of charged kaon correlations at small relative momentum measured in p+p collisions by the STAR detector at RHIC. Using kaons allows for the study of the emitting source radii to be extended to higher values of transverse mass. Results are presented for  $\sqrt{s}=200$  and  $\sqrt{s}=510$  GeV and compared to similar measurements recently reported at the LHC.

## On behalf of collaboration:

STAR

Author:NIGMATKULOV, Grigory (N)Presenter:NIGMATKULOV, Grigory (N)Session Classification:Poster session

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